

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

SD-Tg(Chat-tTA)

RRID:RRRC_00632

Type: Organism

Proper Citation

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Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=7245488

Proper Citation: RRID:RRRC_00632

Description: Rattus norvegicus with name SD-Tg(Chat-tTA) from RGD.

Species: Rattus norvegicus

Notes: Rats express a mouse tetracycline-controlled transactivator (tTA) driven by the mouse choline acetyltransferase (Chat) promotor. When mated to a second transgenic strain (RRRC:00633) that carries a target gene (TDP43) under the regulation of a tetracycline response element (TRE), the expression of TDP43 in Chat-expressing motor neurons in the double transgenic rats can be induced by withdrawal of doxycycline. [Rat Resource and Research Center](#)

Catalog Number: 00632

Background: transgenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Cryopreserved Sperm (as of 2019-02-05)

Alternate IDs: RGD_7245488, 7245488, RRRC_632, RRRC_0632, RRRC_00632

Organism Name: SD-Tg(Chat-tTA)

Record Creation Time: 20230607T202007+0000

Record Last Update: 20260905T094652+0000

Ratings and Alerts

No rating or validation information has been found for SD-Tg(Chat-tTA) .

No alerts have been found for SD-Tg(Chat-tTA) .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Aliakbari F, et al. (2026) Co-localization of tau and TDP-43 after extracellular vesicle delivery to cells. The FEBS journal, 293(5), 1495.

Moszczynski AJ, et al. (2019) Synergistic toxicity in an in vivo model of neurodegeneration through the co-expression of human TDP-43M337V and tauT175D protein. Acta neuropathologica communications, 7(1), 170.